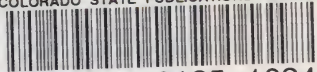


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# STATE OF COLORADO



## 1962

# ANNUAL REPORT

DEPARTMENT OF NATURAL RESOURCES

COAL MINE INSPECTION DIVISION



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STATE OF COLORADO



1962



ANNUAL REPORT

DEPARTMENT OF NATURAL RESOURCES

COAL MINE INSPECTION DIVISION

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LETTER OF TRANSMITTAL

April 1, 1963

To His Excellency  
John A. Love  
Governor of Colorado

Sir:

It is an honor to submit to you the Annual Report of the State Coal Mine Inspection Division, Department of Natural Resources of Colorado, for the year ending December 31, 1962.

Respectfully,

THOMAS ALLEN  
Chief Inspector of Coal Mines

FELIX L. SPARKS  
Director Natural Resources



## OBITUARY

### DR. EDWARD L. CLARK DIRECTOR OF NATURAL RESOURCES

Dr. Edward L. Clark, Director for the Colorado State Department of Natural Resources since 1959, passed away at his Littleton home on March 7, 1962.

A graduate of Drury College, Mo.; Iowa State University and the University of Missouri, Dr. Clark served as geologist for the National Park Service in Oregon, became a professor and chairman of the geology department of Drury College, was sent to Bolivia and Peru as a mining geologist. In 1944 he was appointed State Geologist for Missouri and a member of the State Highway Commission. Dr. Clark was also a consultant to President Dwight D. Eisenhower's cabinet on water resources.

In 1955, he moved to Grand Junction, Colorado, where he was vice president for exploration and development as a member of the board of directors for the Four Corners Uranium Corporation until his appointment by Governor Steve McNichols in 1959, to serve as the first director for the State Department of Natural Resources.

Dr. Clark is survived by his wife Catherine, a daughter, Mrs. Don Silsby of Olathe, Kansas, a son, Edward L., Jr. of Tullahoma, Tennessee, and five grandchildren.

## PERSONNEL OF DEPARTMENT

### CHIEF COAL MINE INSPECTOR - THOMAS ALLEN

Office - 318 State Services Bldg.  
Denver 3, Colorado  
Telephone - 222-9911  
Ext. 2616  
Home - 1285 Albion Street  
Denver 20  
Telephone - 377-5572

### DEPUTY INSPECTORS - (Counties within each district)

Dist. #1-DONALD HASKE - 4561 Perry St., Denver 12  
Telephone - 477-9295  
(El Paso, Fremont (16), Jackson and Weld)  
Dist. #2-OSCAR T. RICE - 919 Tascosa, Trinidad  
Telephone - Trinidad 846-2634  
(Huerfano, Las Animas and Fremont (9) )  
Dist. #3-GRANT McCONNELL - P.O. Box 376, New Castle  
Telephone - New Castle 984-2370  
(Garfield, Moffat, Pitkin, Rio Blanco and Routt)  
Dist. #4-JOHN J. RODDY - 1404 White Avenue, Grand Junction  
Telephone - Grand Junction 242-5915  
(Delta, Gunnison, La Plata, Mesa and Montrose)

### GENERAL OFFICE

Sr. Administrative Assistant .....	Veda Burford 720 Jersey St., Denver 20 Telephone 377-4317
Sr. Account Clerk .....	Evelyn Miller 3357 W. 36th Avenue
Clerk-Stenographer .....	JoAnne M. Osborn 5230 Stuart Street
Clerk-Typist .....	Marjorie T. Sutton 1203 So. High Street

### BOARD OF EXAMINERS FOR COAL MINE OFFICIALS

Thomas Allen, Chief Inspector - Denver 3  
Niles E. Grosvenor, E.M., Secretary, Golden  
Ralph Chatfield, Carbondale - Resigned 10-22-62  
Frank Kolar, Jr., 2028 W. 9th Street, Longmont  
Mathew J. Mlakar, P.O. Box 271, Somerset



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HONOR ROLL FOR 1962 - 50,000 or more man-hours no injuries.

<u>Mine</u>	<u>Company</u>	<u>County</u>	<u>Fatal</u>	<u>Non-Fatal</u>	<u>Man-Hours Per Injury</u>
Somerset	Columbia-Geneva Div. U. S. Steel Corp.	Gunn.	0	0	172,754
Dutch Creek	Mid-Continent C&Coke	Pitkin	0	0	104,134
Lincoln	Clayton Coal	Weld	0	0	54,661

HONORABLE MENTION - 20,000 to 50,000 man-hours per injury

Allen	C. F. & I. Corp.	Las A.	1	12	48,618
Sterling	McNeil Coal Corp.	Weld	0	0	45,680
Boulder Val. #3	Boulder Val. Coal	Weld	0	2	38,554
Washington	Clayton Coal	Weld	0	3	36,842
Thomp. Creek #2	Thomp. Crk. Coal & Coke	Pitkin	0	1	36,656
Eagle	Imperial Coal	Weld	0	3	33,978
King	Juanita Coal & Coke	Delta	0	0	32,681
Edna Strip	P & M Coal Mining	Routt	0	5	25,177
Hawk's Nest	Champion Coal	Gunn.	0	0	24,553
Thomp. Creek #1	Thomp. Crk. Coal & Coke	Pitkin	0	4	23,596
Imperial	Imperial Coal	Weld	0	0	23,574
Calumet #2	Delcarbon Coal	Huerf.	0	0	21,711
Cardinal	Dry Creek Coal	Routt	0	1	21,483

SUMMARY OF FIELD WORK

Number of Inspections	599
Number of Check Inspections	104
Examinations for Shot Firers	27
Serious accidents investigated	11
Complaints investigated	23
Mines closed for legal violations & non-compliance with recommendations made	14
Suspension of officials certificates	2
Checks on Mine Fires - Reoccurrences	27

# FINANCIAL STATEMENT FOR THE CALENDAR YEAR

1962

## RECEIPTS

Coal Tax	\$25,347.65	
License Fees	4,505.00	
Law Books Sold	34.50	
Misc. - Including sale of old Equipment	1,199.66	
General Fund Appropriation	<u>42,897.10</u>	\$73,983.91

## EXPENDITURES

Salaries - Field & Office	61,970.24	
Travel - Hotels, Meals, Gasoline, etc.	5,835.37	
Equipment - Field & Office	2,193.60	
Workmen's Compensation	1,452.00	
Telephone and Telegraph	783.04	
Supplies - Field & Office	497.54	
Postage	365.14	
Printing	206.85	
Garage Rent - Field & Office	159.10	
Insurance - Cars & Equipment	142.57	
Surety Bonds	105.00	
Maintenance & Repair of Equipment	98.13	
Blue Prints	7.33	
Map Project	<u>168.00</u>	\$73,983.91

# GENERAL SUMMARY OF THE COLORADO COAL STATISTICS FOR 1962

<u>MINES REPORTING PRODUCTION</u>				-	Mechanized	82,	Pick	28,	Strip	7
<u>PRODUCTION IN SHORT TONS</u>										
<u>GRADES</u>				<u>SIZES</u>						
Bituminous	2,593,044	Mine Run	816,936							
Sub-Bituminous	799,526	Lump	162,146	Pea						727,459
		Nut	53,998	Slack						1,442,456
		Egg	100,014	Miscellaneous						89,561
<u>TONNAGE BY MINING METHODS</u>										
<u>MINED BY</u>		- Electric undercutting machines								919,330
		Solid pick								175,439
<u>LOADED BY</u>		- Mechanically, using no or very little hand labor								786,159
		Hand-loaded onto mechanical loaders								230,593
		Hand-loaded into pit cars								78,017
<u>CUT AND LOADED BY CONTINUOUS MINING MACHINES</u>										1,742,213
<u>STRIPPED - OPEN PITS</u>										555,588
<u>SHIPMENT AND DISPOSAL</u>				<u>Direct to Power Plants by Conveyors</u>						
Shipped by rail		2,309,515		Cameo to Public Service		98,774				
Shipped by truck		978,358								
Used for power and heat at the mines-104,697				Shipped out of State-578,529						
<u>MEN EMPLOYED (Average number)</u>		Underground		1,175		Surface		312		Strip 107
<u>DAYS WORKED (Average number per mine)</u>										
<u>DAILY PRODUCTION PER MINER</u>										
<u>DAILY CAPACITY OF ALL MINES (as reported)</u>										
<u>UNDERGROUND MECHANICAL &amp; ELECTRIC EQUIPMENT</u>				- See pages 21 & 22						
<u>MINING MACHINERY</u>		- Electric Undercutting		182		Electric Drills		264		
		Electric Shearing		1		Compressed air drills		17		
		Combination cutting & shearing		12		Stopers		8		
<u>MECHANICAL LOADERS</u>		- Shakers		104		Mainline conveyors		30		
		Mobile		69		Chain conveyors		18		
		Power shovels		1		Portable conveyors		4		
<u>CONTINUOUS MINING MACHINES</u>				- Undercutting and loading				- 26		

HAULAGE MACHINERY - Locomotives: Electric Trolley 78 Electric battery 37  
 Hoists : Electric 108 Compressed air 5  
 Shuttle cars 112

LAMPS: Flame Safety 438 Electric cap 2,461

STRIP MACHINERY & EQUIPMENT

Bulldozers	12	Drag lines	6	Motor graders	1	
Caterpillars	5	Jackhammers	5	Scarifiers	1	
Compressors	8	Drills	8	Tractors	3	
Loaders	5	Power shovels	7	Trucks to tipple	17	
EXPLOSIVES (Pounds)	Permissible	Dynamite	Cardox	Airdox	Others	Totals
Underground Mines	427,674	9,600	14	Mines	4	Gelobel
Strip Mines	29,800	578,050				166,700
	457,474	587,650				1,211,824

SURFACE & MISCELLANEOUS

Hoists:	Gas	9	Steam	3	Electric	58
Tipples:	Gravity	45	Mechanical	62		
Ventilation fans:	Exhaust	68	Force	27		
Coal washing plants		4	Steam Plants	7	Box car loaders	28
Pumps:	Electric	197	Compressed air	6	Bath houses	21
Air Compressors:	Underground	21	Surface	32	Rock dusting machines	51
Telephones		164			Battery charging stations	20
Gravity Planes		2			Aerial trams	1

SAFETY EQUIPMENT

Self-rescuers	423	Oxygen breathing apparatus:	McCa	25	
Inhalators	27	Gas Masks	14	Chemox	10

GENERAL INFORMATION (As Reported)

Shaft Mines	5	Rock slopes	19	Rock tunnels	5	Drifts	64	Coal Slopes	38
Number of Mines	On railroads	18	Roof-bolted	8					
Tons of coal chemically treated	277,952	Tons of washed coal	435,364						

ACCIDENTS - See page 23)

Total number:	Fatalities	3	Dependents:	Wives	3
	Non-Fatals	74		Minor Children	4



# D I R E C T O R Y

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Adair, David N.	Hesperus	Burnwell #2	Same	La Plata
Alvidrez & Sons	Florence	Black Knight #3	"	Fremont
Alvidrez & Sons	"	Can. Wolf Crk. #2	"	"
Annex Coal	"	Annex #2	"	"
Baldy Coal	Trinidad	Baldy #2	"	Las A.
Barstow, Aul & Peterson	Palisade	Blue Flame	Same	Mesa
Bear Coal	Somerset	Bear	"	Gunnison
Beer Coal & Const., Inc.	Florence	Beer Strip	"	Fremont
Belarde Coal	Trinidad	Lovato #3	"	Las A.
Bendetti, H. & L.	Glenwood Spgs.	New South Canon	"	Garfield
Berwind Canyon Coal	Trinidad	Berwind Canyon	Same	Las A.
Bisulco Coal	Aguilar	Bisulco	"	"
Black Beauty Coal	Walsenburg	Black Beauty	"	Huerfano
Blue Blaze Coal	"	Black Hawk #1	"	"
Blue Ribbon Coal	Cedaredge	Blue Ribbon	"	Delta
Boulder Valley Coal	Denver (2)	Boulder Valley #3	Dacono	Weld
Bowman Coal	Trinidad	Bowman's	Same	Las A.
Brodhead Coal	"	Brodhead #4-A	"	"
C. F. & I. Corp.	Denver (2)	Allen, E. & W. Port.	Weston	"
Caldirola Fuel	Florence	Caldirola #2	Same	Fremont
Can. Blk. Diam. Coal	Florence	Can. Blk. Diam.	Same	Fremont
Canon Liberty Coal	Canon City	Canon Liberty #3	"	"
Canon Monarch Coal	Florence	Canon Monarch #4	"	"
Canon Monarch Coal	"	Pine Gulch #4	"	"
Canon National Coal	Florence	Canon National	"	"
Canon Oak Creek Coal	Canon City	Canon Oak Creek	Same	Fremont
Canon Oak Creek Coal	"	Canon Oak Crk. #2	"	"
Cedar Canon Coal	Florence	Cedar Canon	"	"
Champion Coal Mng.	Somerset	Hawk's Nest	"	Gunnison
Clayton Coal	Denver (2)	Lincoln	Erie	Weld

## RAILROADS - OPENINGS - SEAMS

Superintendent	R. R.	Daily Cap.	OPENINGS				SEAM		
			Shaft	Rock	Rock	Drift	Ft.	In.	Pitch % - °
			Depth	Slope	Tunnel				
				Length					
David N. Adair		10				Yes	6		
C. Alvidrez		20					3		
C. Alvidrez		40				Yes	6	6	2%
Nickie Rocchio		50				Yes	6		
D. A. Johnson		8				Yes	5	6	
Willis S. Barstow		20				Yes	5	6	3%
William A. Bear	D&RG	500			300		8		
Lloyd J. Beer		150		STRIP			4		7%
Steve Belarde		10				Yes	5		
Henry Bendetti		25			40		5		57°
Fred Ortiz		10				Yes	4	6	
Sam Gonzales		6				Yes	4		
Mariano Pesina		20		1,000			4		
Albert Amiday		10		1,600	110		2	8	4%
Melvin Moore		50				Yes	6		
Thomas Harris	U.P.	1,000	245				7		
John Bowman		3				Yes	2	10	
Sam Vasquez		15					3	10	3%
L. W. Ingles	C&W	5,000		1,578(E)		Yes(W)	5		2-30%
Fred Del Duca		50		480			4	8	5%
Frank Yellico		100					6	7	6%
Louis Adamic		30				Yes	3	3	6%
Lloyd J. Beer		120				Yes	5	6	10%
Lloyd J. Beer		25					4		3°
Raymond Jermance		100		1,400			5		
J. E. Griffin		5				Yes	4	8	10°
J. E. Griffin		6					3	6	
Charles Farrington		100				Yes	6		2%
Ralph Audin		175		300			7		
Wm. Ferguson	U.P.	1,500		1,800			9		

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Clayton Coal	Denver (2)	Washington	Erie	Weld
Coal Crk. Can. Mng.	Florence	Coal Creek Canon	Same	Fremont
Colowyo Coal	Denver (2)	Red Wing	Craig	Moffat
Columbia-Geneva Div.	Dragerton, Utah	Somerset	Somerset	Gunnison
U. S. Steel Corp.	San Francisco, Cal.			
Corley Co., The	Colorado Spgs.	Corley Strip	Florence	Fremont
Corley Co., The	" "	Pioneer Canon #1	" "	" "
Corley Co., The	" "	Pioneer Can. #2 & 3	" "	" "
de la Rosa, Lorenzo	Trinidad	Berwind #4	Same	Las A.
Delcarbon Coal	Walsenburg	Calumet #2	"	Huerfano
Di Marco Coal	Trinidad	Starkville #7	Same	Las A.
Double Dick Coal	Florence	Double Dick	"	Fremont
Dry Creek Coal	Hayden	Cardinal	"	Routt
Eagle Head Coal	Grand Jct.	McGinley	"	Mesa
Edna Coal	Nucla	Navajo Strip	"	Montrose
Ellis Coal	Somerset	Black Beauty	Same	Gunnison
Emmons Bros. Coal	Paonia	Emmons	"	Delta
Energy Coal	Indnpls., Ind.	Energy Strip	Stmbt. Spgs	Routt
Fogg, Lyndon H.	Cedaredge	Red Canon #1	Same	Delta
Fontanari, R. & A.	Clifton	Go-Boy	"	Mesa
Four Mile Coal, Inc.	Glenwood Spgs.	Four Mile	Same	Garfield
Franceville Coal	Colorado Spgs.	Franceville Strip	"	El Paso
Garcia, Pete	Boncarbo	Pete's	"	Las A.
Golden Quality Coal	Canon City	Golden Quality #4	"	Fremont
Green Valley Coal	Cedaredge	Green Valley #2	"	Delta
Grey Creek Coal	Trinidad	Grey Creek #4	Same	Las A.
Guadagnoli Bros.	"	Engleville	"	"
Haas, William, Jr.	Rifle	Black Raven	"	Garfield
Hay Gulch Coal	Hesperus	Hay Gulch #2	"	La Plata
Hayden Coal	Hayden	Babson	"	Routt



Superintendent	R. R.	Daily Cap.	O P E N I N G S				S E A M		
			Shaft	Rock	Rock	Drift	Ft.	In.	Pitch % - °
			Depth	Slope	Tunnel				
				Length					
Wm. Ferguson	U. P.	1,200	430				9		
John A. Javernick		40				Yes	4	6	6%
J. Arthur Haske		900		125			23		3-6%
						(B-22			
A. M. Morrison	D&RG	996				(C-	7		4-7%
Thomas E. Shelnut		124		S T R I P			6		8%
Thomas E. Shelnut		600		300			5		
Thomas E. Shelnut		600				Yes	6		8%
L. de la Rosa		9				Yes	4	6	
George Sudar	D&RG	100		700			4	2	4%
L. Di Marco		10				Yes	4		
Joe Rohar		50		200			6		6%
E. R. Todd		400				Yes	12		7%
Lawrence Downing		16				Yes	11		
A. R. Ross		500		S T R I P			5	6	5%
Ellis Axelson		85				Yes	10	6	
John T. Emmons		50				Yes	8	6	7%
Gerald Jones	D&RG	2,550		S T R I P			8		10%
Lyndon H. Fogg		30		350			4	6	6%
R. Fontanari		20				Yes	6		
C. A. Betz		20		350			7	6	42°
Lee Gordley		50		S T R I P			8	2	
Pete Garcia		3				Yes	5		
Dominic Carestia		102				Yes	6	6	3%
Gail Brooks		50		225			6		3°
Lawrence Rivera		14				Yes	3	4	
Chas. Guadagnoli		7				Yes	9	5	
Wm. Haas, Jr.		15				Yes	22		57%
Wm. C. Hunt		9				Yes	6	6	10°
S. J. Prewitt		15				Yes	10	6	14%

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Hesperus Coal	Hesperus	Hesperus #4	Same	La Plata
Imperial Coal	Denver (2)	Eagle	Erie	Weld
Imperial Coal	" "	Imperial	" "	" "
Iuppa, Albert & Son	Trinidad	Starkville #4	Same	Las A.
Jenkins & Mathis C.	Meeker	Rienau	"	Rio Bl.
Juanita Coal & Coke	Bowie	King	Same	Delta
Kerr Coal	Cameo	Cameo	"	Mesa
King Coal	Hesperus	King	"	La Plata
Last Chance Coal	Canon City	Last Chance	"	Fremont
Lobato, Fidel	Durango	Blue Flame	"	La Plata
Major Coal, Inc.	Walsenburg	Major #3	Same	Huerfano
Martinez, Albert	Cokedale	Martinez	"	Las A.
Maschio Coal	Raton, N. M.	Hastings #3	Trinidad	" "
Mathews, John	Oak Creek	Johnnie's	Same	Routt
McNeil Coal Corp.	Denver (2)	Sterling	Dacono	Weld
Mid-Continent C. & C.	Carbondale	Dutch Creek	Same	Pitkin
Montoya Coal	Trinidad	Aguilar-Imperial	"	Las A.
Morning Glory Coal	Walsenburg	Morning Glory	"	Huerfano
Moschetti, N. J.	Canon City	Canon Zenith #2	"	Fremont
New Castle Coal	New Castle	New Castle-Vulcan	"	Garfield
Nichols, B. A. & W. B.	Fruita	Hunter	Same	Mesa
North Fork Coal	Denver (2)	Edwards	Somerset	Gunnison
Nu-Mine Coal	Gunnison	Nu-Mine #2	Same	"
P & M Coal Mng.	Kansas City, Mo.	Edna Strip	Oak Creek	Routt
Pantazes, Pete	Aguilar	Prosperity #2	Same	Las A.
Paterson, Mack R.	Fruita	Hy-Grade	Same	Mesa
Peacock Coal	Durango	Peacock	"	La Plata
Peacock Coal	Trinidad	Peacock	"	Las A.
Phillips, H. B.	Palisade	Gearhart	"	Mesa
Pilcher, Oren A.	Mancos	Burnwell #1	"	La Plata

Superintendent	R. R.	Daily Cap.	OPENINGS				SEAM		
			Shaft	Rock	Rock	Drift	Ft.	In.	Pitch % - °
			Depth	Slope	Tunnel Length				
Joe De Luzio		15				Yes	9	1	
Frank Kolar	U. P.	1,500	370				9		1½%
Frank Kolar	U. P.	900	300				10	6	
Albert Iuppa, Jr.		14		300			5	6	
Wm. Jenkins, Jr.		30				Yes	20		18°
Robert F. Bowie	D&RG	300					16		7%
H. J. Kissell	D&RG	300			950	Yes	6		3°
Irvin A. Smith		40				Yes	7		4%
Steve Kopic		40				Yes	6		
Fidel Lobato		10				Yes	6	2	2%
Louis Bellotti		25		140			3	8	20%
Albert Martinez		2					2	4	
Adolph Maschio		20				Yes	7		
John Mathews		5					4	4	4½°
A. W. Newcomb	U. P.	550	358				7	11	
Ed Selan		2,000					6	8	14°
Lec Montoya, Jr.		20				Yes	6	6	
G. M. Turner	D&RG	175				Yes	4	6	
N. J. Moschetti		15					3	6	
John Petty		20			1,400		6		47°
Bryan Nichols		10				Yes	7		
Staley/Baughman	D&RG	150				Yes	6		
Joseph E. Partch		150				Yes	7		3%
G. A. Hays	D&RG	3,500		STRIP			6		10%
Pete Pantazes		5					2	6	7°
Mack R. Paterson		10					3	6	15%
G. M. Gale		10				Yes	6		3%
Eugene Lopez		25					6		
H. B. Phillips		30				Yes	5	3	12%
Preston Daniels		30				Yes	6	6	

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Pilcher, Oren A. Prendergast & Son Rapson Coal Red Ash Coal Rex Carbon Fuel	Mancos New Castle Walsenburg " Florence	Coal King #2 Rex Rapson #2 Maitland #2 Rex Carbon	Same " " " "	La Plata Garfield Las A. Huerfano Fremont
Roadside Coal Routt Mining Corp. Rugby Coal Silengo Coal Smith, A. G.	Palisade Oak Creek Trinidad Craig Gunnison	Roadside Keystone Rugby #6 Wise Hill #3 Baldwin	Same " Pryor Same "	Mesa Routt Huerfano Moffat Gunnison
Smith Coal Sonchar Coal Staley-Gordon Coal, Inc. Staples, S. L., Jr. States Coal	Trinidad Raton, N. M. Vernal, Utah Gunnison Cedaredge	Berwind #5 Delagua #4 White River Ohio Creek #2 Top	Same Delagua Rangely Same "	Las A. " " Rio Bl. Gunnison Delta
Sullivan Coal Thompson Crk. C & C Corp. Thompson Crk. C & C Corp. Thompson Crk. C & C Corp. Tolley, C. A. & E.	Oak Creek Denver (3) " " " " New Castle	Apex Thompson Crk. #1 " " #2 " " #3 Harvey Gap #3	Same Carbondale " " Same	Routt Pitkin " " Garfield
Tomahawk Coal Twin Pines Coal Vento Coal Victory Coal Vista Coal	Delta Canon City Florence Durango Walsenburg	Tomahawk Twin Pines Vento Victory #3 Gordon	Same " " " "	Delta Fremont " La Plata Huerfano
Wise Hill Coal Zellitti, F. Jr., N. & C.	Craig Durango	Wise Hill Strip Morning Star	Same "	Moffat La Plata

Superintendent	R. R.	Daily Cap.	O P E N I N G S				S E A M		
			Shaft	Rock	Rock	Drift	Ft.	In.	Pitch % - °
			<u>Depth</u>	<u>Slope</u>	<u>Tunnel</u>				
				Length					
Oren A. Pilcher		10				Yes	6	6	
F. L. Prendergast		20				Yes	8	4	54°
James Christy		25		2,200			5		12%
Clarence Clair		70				Yes	3	6	5%
Frank Sacchetta		80					3	10	12%
Thomas D. Topping		25				Yes	6	1	5%
Carl Steele	D&RG	50					5	10	
C. S. Dawn		12		150			4		13°
Charles Silengo		150				Yes	16		15%
A. G. Smith		15				Yes	6		
Frank Smith		8				Yes	6	6	
Joe Sonchar, Jr.		60					5		1%
Conrad Staley		50				Yes	7	10	9%
S. L. Staples, Jr.		7				Yes	5		5%
Welland W. States		60					7		6%
Robert L. Sullivan		20				Yes	4	6	7%
Andrew Allan		500				Yes	7		30°
Andrew Allan		125				Yes	7		30°
Andrew Allan		250				Yes	9		30°
C. A. Tolley		15				Yes	7		45°
Gene Yellico		60		200			11		
Budgie C. Fazzino		55				Yes	5	6	4%
Tony Vento		100				Yes	5	8	7%
William Gerard		100				Yes	6		
Jack Fink	D&RG	80					4		
Angelo Boscia		100		STRIP			10		12°
Frank Zellitti, Jr.		25				Yes	5	10	10°



# REPORT OF PRODUCTION

MEN, DAYS, ACCIDENTS - BY COUNTY - BY MINE

COUNTY MINE	COMPANY OR OPERATOR	No. Men Average	Total Days	TONNAGE	ACCIDENTS	
					Fatal	Non-Fat.
DELTA						
Blue Ribbon	Blue Ribbon Coal	4	91	1,445		
Emmons	Emmons Brothers Coal	6	181	6,457		
Green Valley #2	Green Valley Coal	5	185	6,573		
King	Juanita Coal & Coke	23	169	44,522		
Red Canon #1	Lyndon H. Fogg	3	228	4,399		
Tomahawk (Clsd.)	Tomahawk Coal	3	43	825		
Top	States Coal	4	143	2,097		
TOTALS - 7		48	1,040	66,318	-	-
EL PASO						
Franceville Strip	Franceville Coal	2	124	2,286		
TOTALS - 1		2	124	2,286		
FREMONT						
Annex #2	Annex Coal	2	213	10,612		
Beer Strip	Beer Coal & Constr., Inc.	5	239	33,232		
Black Knight #3	Alvidrez & Sons	3	241	2,786		
Caldirola #2 (Clsd.)	Caldirola Fuel	4	69	2,564		
Canon Black Diamond	Canon Black Diamond Coal	6	237	29,719		
Canon Liberty #3	Canon Liberty Coal	4	231	5,828		
Canon Monarch #4	Silengo Coal (9 mo.)	5	221	22,654		
	Canon Monarch Coal (3 mo.)					
Canon National	Canon National Coal	5	156	6,793		
Canon Oak Creek (Clsd.)	Canon Oak Creek Coal	2	43	211		
Canon Oak Creek #2	Canon Oak Creek Coal	2	24	82		
Canon Wolf Creek #2	Strainer Coal (9 mo.)	7	114	3,653		
	Alvidrez & Sons (2 mo.)					
Canon Zenith #2	N. J. Moschetti	4	196	3,112		

Cedar Canon	Cedar Canon Coal	7	263	19,751	
Coal Creek Canon	Coal Creek Canon Mining	4	280	8,317	
Corley Strip	Corley Company, The	2	17	2,100	
Double Dick	Double Dick Coal	5	191	6,222	
Golden Quality #4	Golden Quality Coal	3	258	18,607	2
Last Chance (New)	Last Chance Coal	3	126	4,374	
Pine Gulch #4 (Clsd.)	Canon Monarch Coal	2	110	1,567	1
Pioneer Canon #1	Corley Company, The	7	1	150	
Pioneer Canon #2 & #3	Corley Company, The	21	217	98,821	6
Rex Carbon	Rex Carbon Fuel	5	245	10,780	2
Twin Pines	Twin Pines Coal	6	253	14,224	
Vento	Vento Coal	9	263	28,400	
TOTALS - 25		123	4,208	334,559	1
<u>GARFIELD</u>					12
Black Raven	William Haas, Jr.	3	205	2,569	
Four Mile	Four Mile Coal, Inc.	2	299	2,481	
Harvey Gap #3	Clark A. & Eileen Tolley	2	58	432	
New Castle-Vulcan	New Castle Coal	5	187	2,670	1
New South Canon	H. & L. Bendetti	3	251	3,261	
Rex	Prendergast & Son	3	65	497	
TOTALS - 6		18	1,065	11,910	1
<u>GUNNISON</u>					
Baldwin	A. G. Smith	2	230	1,343	
Bear	Bear Coal	23	102	40,703	1
Black Beauty	Ellis Coal	6	179	11,130	1
Edwards	North Fork Coal	12	74	9,792	
Hawk's Nest	Champion Coal Mining	20	153	25,273	
Nu-Mine #2	Nu-Mine Coal	10	220	22,060	2
Ohio Creek #2	S. L. Staples, Jr.	2	242	2,411	
Somerset	Columbia-Geneva Div. U. S. Steel	99	230	83,597	
TOTALS - 8		174	1,430	196,309	4

COUNTY MINE	COMPANY OR OPERATOR	No. Men Average	Total Days	TONNAGE	ACCIDENTS	
					Fatal	Non-Fat.
<u>HUERFANO</u>						
Black Beauty	Black Beauty Coal	3	208	1,115		1
Black Hawk #1	Blue Blaze Coal	2	48	485		
Calumet #2	Delcarbon Coal	21	132	15,081		
Gordon	Vista Coal	4	171	4,081		1
Maitland #2	Red Ash Coal	10	185	11,369		4
Major #3	Major Coal, Inc.	4	160	2,991		2
Morning Glory	Morning Glory Coal	9	210	9,198		1
Rugby #6	Rugby Coal	3	39	324		
TOTALS - 8		56	1,153	44,644	-	9
<u>LA PLATA</u>						
Blue Flame	Fidel Lobato	1	145	1,039		
Burnwell #1	Oren A. Pilcher	4	218	4,515		1
Burnwell #2	David N. Adair	2	133	1,296		
Coal King #2	Oren A. Pilcher	1	45	255		
Hay Gulch #2	Hay Gulch Coal	1	183	1,062		
Hesperus #4	Hesperus Coal	3	150	2,740		
King	King Coal	4	180	6,725		
Morning Star	F. Jr., N. & C. Zellitti	1	197	1,768		1
Peacock	Peacock Coal	2	175	2,250		1
Victory #3	Victory Coal	5	264	8,636	1	
TOTALS - 10		24	1,690	30,286	1	3



<u>LAS ANIMAS</u>						
Aguilar-Imperial	Montoya Coal	4	196	3,000	1	12
Allen	C. F. & I. Corporation	420	188	655,314		
Baldy #2	Baldy Coal	3	133	871		
Berwind #4	Lorenzo de la Rosa	5	29	314		
Berwind #5 (Clisd.)	Smith Coal	2	20	40		
Berwind Canyon	Berwind Canyon Coal	2	54	440		
Bisulco	Bisulco Coal	2	52	234		
Bowman's	Bowman Coal	2	54	224		
Brodhead #4-A	Brodhead Coal	2	216	1,665		1
Delagua #4	Sonchar Coal	5	155	5,033		
Engleville	Guadagnoli Brothers	2	144	1,200		1
Grey Creek #4	Grey Creek Coal	4	154	1,194		
Hastings #3	Maschio Coal	4	274	4,365		
Lovato #3	Belarde Coal	3	36	213		
Martinez	Albert Martinez	1	50	70		
Peacock	Peacock Coal	3	240	3,061		
Pete's	Pete Garcia	1	4	12		
Prosperity #2	Pete Pantazes	3	253	958		
Rapson #2 (Clisd.)	Rapson Coal	6	123	2,304		
Starkville #4	Albert Iuppa & Son Coal	4	214	3,134		1
Starkville #7	Di Marco Coal	4	3	68		
TOTALS - 21		482	2,592	684,357	1	15

COUNTY MINE	COMPANY OR OPERATOR	No. Men Average	Total Days	TONNAGE	ACCIDENTS	
					Fatal	Non-Fat.
<u>MESA</u>						
Blue Flame	Barstow, Aul & Peterson	3	183	2,465		4
Cameo	Kerr Coal	44	227	98,835		
Gearhart	H. B. Phillips	5	125	3,046		
Go-Boy	Rudolph & Alta Fontanari	3	156	2,588		
Hunter	B. A. & W. B. Nichols	2	24	210		
Hy-Grade	Mack R. Paterson	4	61	390		
McGinley	Eagle Head Coal	3	133	1,455		
Roadside	Roadside Coal	4	164	3,868		
TOTALS - 8		68	1,073	112,857	-	4
<u>MOFFAT</u>						
Red Wing	Colowyo Coal	35	162	116,180		3
Wise Hill #3 (New)	Silengo Coal	7	59	10,698		
Wise Hill Strip(Clsd.)	Wise Hill Coal	2	30	1,503		
TOTALS - 3		44	251	128,381	-	3
<u>MONTROSE</u>						
Navajo Strip	Edna Coal	11	186	83,118		
TOTALS - 1		11	186	83,118	-	-
<u>PITKIN</u>						
Dutch Creek	Mid-Continent Coal & Coke	64	200	263,386		4
Thompson Creek #1	Thompson Creek C. & C. Corp.	54	211	70,703		1
Thompson Creek #2	Thompson Creek C. & C. Corp.	22	211	32,621		3
Thompson Creek #3	Thompson Creek C. & C. Corp.	34	211	47,977		8
TOTALS - 4		174	833	414,687	-	1
<u>RIO BLANCO</u>						
Rienau	Jenkins & Mathis Coal	3	241	4,964		
White River	Staley - Gordon Coal, Inc.	4	132	3,332		
TOTALS - 2		7	373	8,296	-	1

<u>ROUTT</u>						
Apex	Sullivan Coal	4	48	800		1
Babson	Hayden Coal	3	81	1,112		5
Cardinal	Dry Creek Coal	17	151	47,733		
Edna Strip	P & M Coal Mining	62	187	410,227		
Energy Strip (New)	Energy Coal	23	29	23,122		
Johnnie's	John Mathews	2	87	418		
Keystone	Routt Mining Corp.	7	133	4,693		
TOTALS - 7		118	716	488,105	-	6
<u>WELD</u>						
Boulder Valley #3	Boulder Valley Coal	44	215	127,491		2
Eagle	Imperial Coal	63	209	256,915		3
Imperial	Imperial Coal	21	124	57,746		
Lincoln	Clayton Coal	39	163	127,699		
Sterling	McNeil Coal Corp.	26	172	68,564		
Washington	Clayton Coal	52	221	148,042		3
TOTALS - 6		245	1,104	786,457	-	8
GRAND TOTALS - 117 Mines		1,594	17,838	3,392,570	3	74

# COAL SHIPMENT AND DISPOSAL

COUNTY	RAILROAD	TRUCK	POWER & HEAT	OUT OF STATE	CHEM. TREATED
Delta	33,190	33,027	(At Mine) 101	22,658	11,728
El Paso		2,286			
Fremont	11,832	322,653	74	10,381	7,447
Garfield		11,905	5		5,084
Gunnison	141,689	54,471	149	66,132	89,199
Huerfano	5,384	39,260		7,314	5,965
La Plata	8,636	21,625	25		2,700
Las Animas	654,345	29,005	1,007	6,059	
Mesa		14,012	* 98,845		458
Moffat	112,674	15,707			57,815
Montrose		83,118			
Pitkin	414,687			414,687	
Rio Blanco		8,293	3	3,000	5,500
Routt	448,938	39,145	22	48,298	72,337
Weld	478,140	303,851	4,466		19,719
TOTALS	2,309,515	978,358	104,697	578,529	277,952

\*Public Service Power Plant from Cameo, by conveyor - 98,774

SIZES, GRADES, BY COUNTY

MINE RUN	LUMP	EGG	OTHER GRADES	NUT	PEA	SLACK
21,963	11,611	6	615	2,380	38	29,705
2,286	-	-	-	-	-	-
149,501	21,922	6	3,405	7,667	20,738	131,320
-	1,792	-	438	59	-	9,621
105,657	23,882	-	318	5,389	-	61,063
327	5,491	9,543	114	2,411	3,969	22,789
17,129	3,860	-	887	212	234	7,964
2,130	5,340	-	506	170	655,370	20,841
8	2,306	-	-	623	-	109,920
10,698	12,277	-	-	21,469	-	83,937
83,118	-	-	-	-	-	-
414,687	-	-	-	-	-	-
-	819	-	-	1,084	-	6,393
6,497	27,173	-	83,278	10,682	32,903	327,572
2,935	45,673	90,459	-	1,852	14,207	631,331
816,936	162,146	100,014	89,561	53,998	727,459	1,442,456



# MECHANICAL LOADING

COUNTY	Shaker Type	MECHANICAL LOADERS								Small Portable Conveyors	TONS OF COAL TOTALLY LOADED BY MECHANICAL DEVICES  (None or very little hand labor)
		Chain Conveyors		Mainline			Mobile		Power Shovel		
		Short Face	Room Length	Belt	Long Wall	Chain	Track	Caterpillar			
Delta	5						2	6			56,575
El Paso											
Fremont	19	1	2		1	1		17		2	235,531
Garfield		1		1							
Gunnison	8			2				6			192,555
Huerfano	12		5			1					15,081
La Plata	2			1				1			1,515
Las Animas	4	1		12		2		11			604
Mesa	18								1	2	100,409
Moffat								4			116,180
Montrose											
Pitkin	22	4	4	6				3			
Rio Blanco	2							4			8,296
Routt	6			1				3			53,538
Weld	6			2				12			5,875
TOTALS	104	7	11	25	1	4	2	67	1	4	786,159

COLORADO - 1962

TONS OF COAL HAND LOADED ONTO MECHANICAL DEVICES	MINING MACHINERY						TOTAL TONNAGE
	Undercutting	Electric Shearing	Combination Undercutting and Electric Shearing	Electric Drills	Compressed Air Drills	Continuous Miners	
1,700	10		2	13			66,318
							2,286
27,510	33		1	36		1	334,559
	1			15			11,910
	23		1	32	5		196,309
21,228	25			21			44,644
15,361	15			12			30,286
6,669	8		5	4	12	7	684,357
6,024	24			20			112,857
	6			9		1	128,381
							83,118
151,301				29		3	414,687
	2		1	6			8,296
800	10		1	17			488,105
	25	1	1	50		14	786,457
230,593	182	1	12	264	17	26	3,392,570

Mined and Loaded by Continuous Mining Machines:  
 Las Animas County - 655,314  
 Pitkin County - 263,386  
 Weld County - 780,582

## FATAL ACCIDENTS

Date	Name	Mine	County	Cause	Occupation	Age	Exp.
6-21	Mike Lave	Pine Gulch #4	Fre.	Fall-roof	Miner	52	35
8-28	Tony Medina	Allen	Las A.	Fall-roof	Roof bolter	53	19
12-1	John B. Gutierrez	Victory #3	La P.	Machinery	Miner	49	30

### FIVE YEAR COMPARISON

<u>NON-FATALS</u>						<u>FATALS</u>				
1958	1959	1960	1961	1962	Causes of Injury	1958	1959	1960	1961	1962
9	12	15	11	18	Falls of roof	1	2	1	1	2
2	6	8	7	2	Fall of face or rib					
12	7	6	13	2	Falling objects					
4	4	9	7	4	Falls of persons	1				
11	7	13	17	11	Handling materials					
6	2	5	1	3	Hand tools					
3	1	3	1		Striking vs. objects					
15	9	12	2	15	Haulage			1	2	1
			1		Explosion of gas					
1	3	1	1		Explosives					
1	1		2	1	Electricity					
17	9	4	6	13	Machinery				2	
4	2		7	2	Jack pipes					
		1			R. R. cars					
		1		3	Others					
85	63	78	76	74	Totals	2	2	2	5	3

### ACCIDENT STATISTICS

	<u>Fatalities</u>		<u>Non-Fatals</u>	
	1961	1962	1961	1962
Fatalities	5	3		
Non-Fatals/Compensable			76	74
Per 1,000 employed	3.02	1.88	45.86	46.42
Men employed per injury	351	531	21.80	21.54
Tonnage per injury	740,138	1,130,857	48,693	45,846
Per million tons	1.35	08.84	20.53	21.81
Dependents: Widows	5	3		
Children	10	4		



# COAL PRODUCTION FROM 1864 THROUGH 1962

<u>Year</u>	<u>Tonnage</u>	<u>Year</u>	<u>Tonnage</u>	<u>Year</u>	<u>Tonnage</u>
1864	500	1897	3,565,660	1930	8,238,094
1865	1,200	1898	4,174,037	1931	6,604,063
1866	6,400	1899	4,826,939	1932	6,616,525
1867	17,000	1900	5,495,734	1933	5,284,872
1868	10,500	1901	6,021,405	1934	5,251,003
1869	8,000	1902	7,522,923	1935	5,953,601
1870	4,500	1903	7,775,302	1936	6,868,801
1871	15,600	1904	6,776,551	1937	7,222,092
1872	68,540	1905	8,989,631	1938	5,730,291
1873	69,997	1906	10,308,421	1939	6,002,125
1874	77,372	1907	10,965,640	1940	6,673,359
1875	95,838	1908	9,773,007	1941	7,008,037
1876	117,666	1909	10,722,490	1942	8,131,764
1877	160,000	1910	12,104,887	1943	8,372,683
1878	200,630	1911	10,197,595	1944	8,202,401
1879	322,732	1912	11,016,948	1945	7,656,612
1880	375,000	1913	9,268,939	1946	5,928,823
1881	706,744	1914	8,201,423	1947	6,381,016
1882	1,161,479	1915	8,715,397	1948	5,682,512
1883	1,220,593	1916	10,522,185	1949	4,578,170
1884	1,130,024	1917	12,515,305	1950	4,274,887
1885	1,398,796	1918	12,658,055	1951	4,111,945
1886	1,436,211	1919	10,406,543	1952	3,643,523
1887	1,791,735	1920	12,514,693	1953	3,598,867
1888	2,185,477	1921	9,141,947	1954	2,922,365
1889	2,400,629	1922	10,003,610	1955	3,366,490
1890	3,075,781	1923	10,336,735	1956	3,303,661
1891	3,512,632	1924	10,501,088	1957	3,324,787
1892	3,771,234	1925	10,440,387	1958	2,972,191
1893	3,947,056	1926	10,616,760	1959	3,293,686
1894	3,021,028	1927	9,781,580	1960	3,624,572
1895	3,339,495	1928	9,921,585	1961	3,700,692
1896	3,371,633	1929	9,934,064	1962	3,392,570

## Successful Candidates in Examination for Coal Mine Officials

September 24 & 25, 1962

<u>Mine Foreman</u>	<u>Fire Boss</u>	<u>Additional rating after Fire Boss Experience</u>
Biondich, Mathew	Borroel, Richard	
Carver, Archie L.	Garner, Ivan F.	
Leighton, Gary L.	Holgate, William A.	Assistant Mine Foreman
Smith, Murray T.	Pessetto, Maurice P.	Mine Foreman
Turner, John H.	Van Hoose, Donald L.	Mine Foreman
	Willardson, Kerry	Assistant Mine Foreman

### Strip Pit Mine Foreman

Blomquist, Carl H.  
Brickey, Luther L.  
Jones, Gerald R.      Held for Colorado residence  
Leighton, Gary L.  
Smith, Murray T.  
Turner, John H.

The results of the last examination for Coal Mine Officials again stresses the need for more intensive preparation to appear before the State Board of Examiners. Further study of mathematics or simple arithmetic is absolutely necessary as two-thirds of the candidates failed to make a passing grade in this subject. More time should be given to the study of electricity and electrical installations. Apparently little or no study has been given to the important problem of ventilating a coal mine. No Mine Foreman is a qualified man without the knowledge of the above subjects.

### BOARD OF EXAMINERS

Thomas Allen, Chief Inspector  
Niles E. Grosvenor, E. M., Secretary  
Ralph Chatfield  
Frank Kolar, Jr.  
Mathew J. Mlakar









